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ATTORNEY'S DOCKET NUMBER FORM PTO-1390 (Modified) (REV. 7-2005) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE NEK-0031 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) **10/57**9250 **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. 11-14-2003 11-15-2004 PCT/KR2004/002952 TITLE OF INVENTION PVC-PCC NANOCOMPOSITES RESIN COMPOSITION WITH SUPERIOR IMPACT STRENGTHS AND METHOD FOR PREPARING THE SAME APPLICANT(S) FOR DO/EO/US Hee-Joo JEON, Kwang-Min PARK, Se-Hyun SHIN, Sung-Woo KIM Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  $\boxtimes$ This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), 3.  $\boxtimes$ (9) and (24) indicated below. The US has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. X is attached hereto (required only if not communicated by the International Bureau). a. 🗆 b. 🛛 has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). c. 🗆 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  $\boxtimes$ 6.  $\boxtimes$ is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. 🗆 have not been made; however, the time limit for making such amendments has NOT expired. d. 🗆 have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. An English language translation of the annexes to the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371 (c)(5)). X A copy of the International Preliminary Examination Report (PCT/IPEA/409). 11. 12.  $\boxtimes$ A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: 13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14.  $\boxtimes$ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. A FIRST preliminary amendment. П A SECOND or SUBSEQUENT preliminary amendment. 16 17. A substitute specification. 18 A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 19. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 20. 21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).  $\boxtimes$ 22. Express Mail Label No. EV826621675US

## IAP9 Rec'd PCT/PTO 12 MAY 2006

PTO-1390 (Rev. 07-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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U.S. APPLICATION NO (if known, see 37 CFR 1.5)			INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER			
10/579250		50	PCT/KR2004/002952				NEK-0031		
23. Other iter	ns or information:								
PCT Request									
Claim for									
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The following fees have been submitted:							CALCULATIONS	PTO USE	
•						\$300	\$ \$300.00		
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All other situations. \$200									
If the written opin	fee (37 CFR 1.492 ionof the ISA/US of								
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Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority							φ <u>\$</u> 500.00		
International Sea	rch Report prepare	ed by an IS. he US by fi	A other than the US and ne IB	prov	ided to the	\$400			
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Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							i		
Insting in an electronic medium) (37 CFR 1.492(I)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
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Total claims	26	- 20 =	6	х	\$50	0.00	\$ \$300.00		
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MULTIPLE DEPE	NDENT CLAIMS	(if applicab	le) 🗆	+	\$360	0.00	\$ \$0.00		
TOTAL OF ABOVE CALCULATIONS =							\$ \$1,300.00		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.							\$ \$0.00		
1/2. SUBTOTAL =							\$ \$1,300.00		
	Processing fee of \$130.00 for furnishing the English translation later than 30 months from								
the earliest claim	the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE =							\$ \$0.00 \$ \$1,300.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be									
accompanied by	an appropriate cov	\$ \$0.00							
TOTAL FEES ENCLOSED =							\$ \$1,300.00	· · · · · · · · · · · · · · · · · · ·	
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE quired to respond to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a col to cover the above a. A check in the amount of \$ Please charge my Deposit Account No. 06-1130 in the amount of \$ \$1,300.00 to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment  $\boxtimes$ . A duplicate copy of this sheet is enclosed. to Deposit Account No. 06-1130 d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: SIGNATURE Cantor Colburn LLP 55 Griffin Road South Soonja Bae Bloomfield, CT 06022 NAME Telephone: (860) 286-2929 Fax: (860) 286-0115 Limited Recognition No. L0017 **REGISTRATION NUMBER** May 12, 2006 DATE

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Application No.	Filing Date	Examiner	Customer No.	Group Art Unit					
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